

Figure 1

MRVLCAFPEAMPSSNSRPPACLAPGALYLA 30
LLLHLSLSSQAGDRRPLPVDRAAGLKEKTL 60
ILLDVSTKNPVRTVNENFLSLQLDPSIIHD 90
GWLDFLSSKRVLVTLARGLSPAFLRFGGKRT 120
DFLQFQNLRNPAKSRGGPGPDYYLKNYEDD 150
IVRSDVALDKQKGCKIAQHDPVMLELQREK 180
AAQMHLVLLKEQFSNTYSNLILTEPNNYRT 210
MHGRAVNGSQLGKDYIQLKSLLQPIRIYSR 240
ASLYGPNIGRPRKNVIALLDGFMKVAGSTV 270
DAVTWQHICYIDGRVVKVMDFLKTRLLDTLS 300
DQIRKIQKVNTYTPGKKIWLEGVVTTTSAG 330
GTNNLSDSYAAGFLWLNTLGMLANQGIDVV 360
IRHSFFDHGYNHLVDQNFNPLPDYWLSLLY 390
KRLIGPKVLAVHVAGLQRKPRPGRVIRDKL 420
RIYAHCTNHHNHNYVRGSITLFIINLHRSR 450
KKIKLAGTLRDKLVHQYLLQPYGQEGLKSK 480
SVQLNGQPLVMVDDGTLPELKPRPLRAGRT 510
LVIPPVTMGFFVVKNVNALACRYR 534

Figure 2A

| | |
|--------------|---|
| HEPI | --MLLRSKPALP-----PP-----LMLLLLGLPLSPGALPRPA-----QAQDV |
| HEPII | MRVLCAFPEAMPSSNSRPPACLAGALYIALLLHLSLSSQA GDRRPLPVDRAAGLKEKTL |
| | : * * : * * * * * * * * : : : |
| HEPI | VLDLFFTQEPLHLVSPSFLSVTIDANLATDPRFLILLGSPKRLRTLARGLSPAYLRFGGTK |
| HEPII | ILLDVSTKNPVRTVNENFLSLQLDPSIIHDG-WLDFLSSKRLVTLARGLSPAFRLFGGKR |
| | : * * . * : * : * . * * : * : * * * * * * * : * : : |
| HEPI | TDFLIFFD PKKEST FEERSYWQSQVNQDICKYGSIPPDVEEKLRLWPYQEQLLLRE HYQK |
| HEPII | TDFLQ FQNLRN --- PAKSR -----GGPGPDYYLKNEYDDIVRSDVAL DK --- QK |
| | * * * * * : : * : * * * * * : * : * |
| HEPI | KFKNSTYSRSSVDVLYTFANC SGLDLIFGLNALRLTADLQWNSSNAQLLLDYCSSKGYN |
| HEPII | GCKIAQHP -----DVMLELQREK-----AAQMHVLVLLKEQFSNTYSNLIL---T----- |
| | * : : . * * : : . . : * * : : : * : * : * |
| HEPI | SWELGNEPNSFLKKADIFINGSQLGEDFIQLHKLLRKS-TFKNAKLYGPDVGQPRRKTA |
| HEPII | ---E---PNNYRTMHGRAVNGS QLGKDYIQLKSL LQPIRIYSRASLYGPNIGRPRKNVIA |
| | * * : : . : * * * * * : * : * * * : * * : * * : * * : * : * : : |
| HEPI | MLKSFLKAGGEVIDSVTWHHYLNGRTATKEDFLNPDDVLDFISSVQKVQVVESTRP |
| HEPII | LLDGFMKVAGSTVDAVTWQHCHYIDGRVVKVMDFLKTRLLDTLSDQIRKIQKVNTYTPGK |
| | : * . . : * : * : * * : * * : * * : * * : * * : * * : * * : |

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Figure 3

